at1110paper_practice_test (v49)

1. Expand the following expression into standard form.

$$(6x + 5)(4x - 7)$$

2. Solve the equation.

$$(3x - 8)(4x + 5) \ = \ 0$$

3. Expand the following expression into standard form.

$$(6x - 7)(6x + 7)$$

4. Expand the following expression into standard form.

$$(7x + 2)^2$$

5. Factor the expression.
$$x^2 - 6x + 8$$

6. Factor the expression.
$$49x^2 - 16$$

7. Solve the equation with factoring by grouping.
$$10x^2 - 12x + 15x - 18 = 0$$

8. Solve the equation.
$$10x^2 - 50x + 25 = 3x^2 + 2x + 4$$